

LAIKIPIA



UNIVERSITY

## UNIVERSITY EXAMINATIONS

2<sup>ND</sup> SEMESTER 2023/2024 ACADEMIC YEAR

### FIRST YEAR EXAMINATIONS FOR BACHELOR OF SCIENCE IN AGRICULTURAL EXTENSION AND EDUCATION

AGED 124: PRINCIPLES AND PRACTICES OF HORTICULTURE

***STREAM: R***

***TIME: 2 HRS***

***DAY: TUESDAY (2.30-4.30PM)***

***DATE: 9/4/24***

**THIS QUESTION PAPER CONSISTS OF THREE (3 PAGES)**

**PLEASE DO NOT OPEN UNTIL THE INVIGILATOR SAYS SO.**



**INSTRUCTIONS:** Answer question **ONE** and any other **TWO** questions.

**QUESTION ONE (30 MARKS)**

- (a) Explain the meaning of the following terminologies as used in horticulture and management. Give an example in each case
- i. Turfgrass management **(2 marks)**
  - ii. Pomology **(2 marks)**
  - iii. Olericulture **(2 marks)**
  - iv. Floriculture **(2 marks)**
  - v. Arboriculture **(2 marks)**
- (b) Discuss **five** cultural methods of pest control in horticultural crop production **(10 marks)**
- (c) Explain **five** challenges facing the horticultural industry in Kenya **(10 Marks)**

**QUESTION TWO (20 MARKS)**

- (a) Explain **five** roles of horticulture crops in human nutrition **(10 Marks)**
- (b) Discuss **five** ecological factors that influence horticultural crop growth and development **(10 marks)**

**QUESTION THREE (20 MARKS)**

- a) Sasini limited company has employed you as the horticultural crops development manager. Explain **five** roles expected of you **(10 marks)**
- b) The company intends to set up a permanent horticultural crops nursery. Discuss five factors you will consider in selecting the site for the nursery. **(10 marks)**

**QUESTION FOUR (20 MARKS)**

- i) Explain **five** benefits of horticulture industry in the development of Kenya **(10 marks)**
- ii) Discuss the history of horticulture industry in Kenya **(10 marks)**

**QUESTION FIVE (20 MARKS)**

Wa umini wedding planner's ltd specializes in provision of space for social events. The company plans to open up a new wedding garden site in Nakuru town. Assuming you been contracted as ornamental and landscape expert

- i) Outline five factors you will consider in developing a good landscape for the new site in Nakuru **(10 Marks)**
- ii) Discuss five challenges you would encounter as you carry out the assignment **(10 marks)**